## WHAT IS CLAIMED IS:

| 1   | 1.  | An apparatus for agitating fluids in a container, comprising:                     |  |
|---|---|---|--|
| 2   |   | a motor for providing a first rotational driving force;                           |  |
| 3   |   | a drive cam coupled to said motor for receiving said first rotational driving     |  |
| 4   | force and con   | verting said first rotational driving force into a second driving force having a  |  |
| 5   | reciprocal component;   |   |  |
| 6   |   | a container holder for holding a fluid container, the contents of which are to be |  |
| 7   | agitated;   |   |  |
| 8   |   | a drive shaft coupled to said drive cam and to said container holder for          |  |
| 9   |   |   |  |
| 10  |   |   |  |
| <u></u> 1                                     | 2.  | The apparatus of claim 1 including a drive reducer for coupling said motor to     |  |
| ☐ 2<br>☐                                      | said drive cam.   |   |  |
| G C F U T C T U T U T U T U T U T U T U T U T | 3.  | The apparatus of claim 1 wherein said drive cam has an offset lobe, and said      |  |
| 1 2   | drive cam is  | coupled to said drive shaft by said offset lobe.                                  |  |
|   |   | ·   |  |
| = 1   | 4.  | The apparatus of claim 2 including a cam shaft, and wherein said drive cam is     |  |
| 를 2   | coupled to sa   | aid motor by said drive reducer and said cam shaft.                               |  |
| 교<br>교<br>교<br>교<br>지<br>고<br>2               | 5.  | The apparatus of claim 1 wherein said container holder is rigidly coupled to      |  |
| 口<br>加 2                                      | said drive sh   |   |  |
|   | _   | The apparatus of claim 1 wherein said second driving force is operative to        |  |
| 1   | 6.  |   |  |
| 2   | produce a vo  | ortex-like agitation of a fluid contained in said fluid container.                |  |
| 1   | 7.  | The apparatus of claim 1 wherein said drive cam is operative to convert said      |  |
| 2   | first rotation  | nal driving force into a second driving force having reciprocal and rotational    |  |
| 3   | components  |   |  |
|   | •   | The apparatus of claim 7 wherein said second driving force is operative to        |  |
| 1   | 8.  |   |  |
| 2   | produce a vortex-like agitation of a fluid contained in said fluid container. |   |  |
| 1   | 9.  | A method for agitating fluids in a container, comprising:                         |  |
| 2   | /   | providing a first rotational driving force;                                       |  |
|   |   |   |  |

| 3           |   | converting said first rotational driving force into a second driving force having              |  |  |
|-------------|---|--|--|--|
| 4           | a reciprocal component; and   |  |  |  |
| 5           |   | applying said second driving force to a fluid container to agitate the contents                |  |  |
| 6           | of said fluid container.  |  |  |  |
| 1           | 10.   | The method of claim 9 wherein said second driving force has reciprocal and                     |  |  |
| 2           | rotational con  |  |  |  |
| 2           | Totational con  |  |  |  |
| 1           | 11.   | The method of claim 9 wherein the second driving force agitates the contents                   |  |  |
| 2           | of said fluid container in a vortex-like manner.  |  |  |  |
| 1           | 12.   | The method of claim 10 wherein the second driving force agitates the contents                  |  |  |
| 2           | of said fluid container in a vortex-like manner.  |  |  |  |
| 5<br>7: 1   | 13.   | An apparatus for agitating fluids in a container, comprising:                                  |  |  |
| 1 2 3 4     | 13.   | first means for providing a first rotational driving force;                                    |  |  |
| = Z<br>= 1  |   | second means coupled to said first means for receiving said first rotational                   |  |  |
| = 3<br>= 1  | driving force   | and converting said first rotational driving force into a second driving force                 |  |  |
| ] 4<br>] 5  | having a reciprocal component;  |  |  |  |
|             | naving a reci   | third means for holding a fluid container, the contents of which are to be                     |  |  |
| ] 6<br>     |   | united ineans for notening a finite container, the contents of warren                          |  |  |
| 7<br>8<br>9 | agitated; and   | fourth means coupled to said second means and to said third means for                          |  |  |
| 8           |   |  |  |  |
|             | receiving said second driving force and communicating it to said fluid container to agitate the |  |  |  |
| 10          | contents ther   | eof.   |  |  |
| 1           | 14.   | The apparatus of claim 13 wherein said second means includes a drive cam.                      |  |  |
| 1           | 15.   | The apparatus of claim 14 wherein said drive cam has an offset lobe, and                       |  |  |
| 2           | wherein said fourth means is coupled to said second means by said offset lobe.                  |  |  |  |
| 1           | 16.   | The apparatus of claim 14 including a drive reducer and a cam shaft, and                       |  |  |
| 2           |   | drive cam is coupled to said first means by said drive reducer and said cam                    |  |  |
| 3           | shaft.  | turive cum is coupled to bail and the same of  |  |  |
|             | Dilait.   |  |  |  |
| 1           | 17.   | The apparatus of claim 13 wherein said third means includes a container                        |  |  |
| 2           | holder, said  | holder, said fourth means includes a drive shaft, and wherein said container holder is rigidly |  |  |
| 3           | coupled to said drive shaft.  |  |  |  |

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- 1 18. The apparatus of claim 13 wherein said second driving force is operative to 2 produce a vortex-like agitation of a fluid contained in said fluid container.
- 1 19. The apparatus of claim 13 wherein said second means is operative to convert said first rotational driving force into a second driving force having reciprocal and rotational components.
- 1 20. The apparatus of claim 19 wherein said second driving force is operative to 2 produce a vortex-like agitation of a fluid contained in said fluid container